


RTS radio transmission tool setter



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Specification

Principal application	Tool setting on CNC machining centres
Transmission type	Frequency hopping spread spectrum (FHSS) radio Radio frequency 2400 MHz – 2483.5 MHz
Radio approval regions	China, Europe (all countries within the European Union), Japan and USA For details about other regions, please contact Renishaw.
Compatible interfaces	RMI-Q
Operating range	Up to 15 m (49.2 ft)
Recommended styli	Disc stylus (tungsten carbide, 75 Rockwell C) or Square tip stylus (ceramic tip, 75 Rockwell C)
Weight with disc stylus (including batteries)	870 g (30.69 oz)
Switch-on / switch-off options	Radio on  Radio off
Typical battery life with 2 × AA 3.6 V Lithium-thionyl chloride	
Stand-by life	600 days
Continuous	1600 hours
Sense directions	±X, ±Y, +Z
Unidirectional repeatability	1.00 µm (40 µin) 2σ (see note 1)
Stylus trigger force (see notes 2 and 3)	1.30 N to 2.40 N, 133 gf to 245 gf (4.68 ozf to 8.63 ozf) depending on sense direction
Sealing	IPX8 (EN/IEC 60529)
Mounting	M12 (1/2 in) T bolt (not supplied) Optional Spirol® pins to allow accurate remounting
Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)

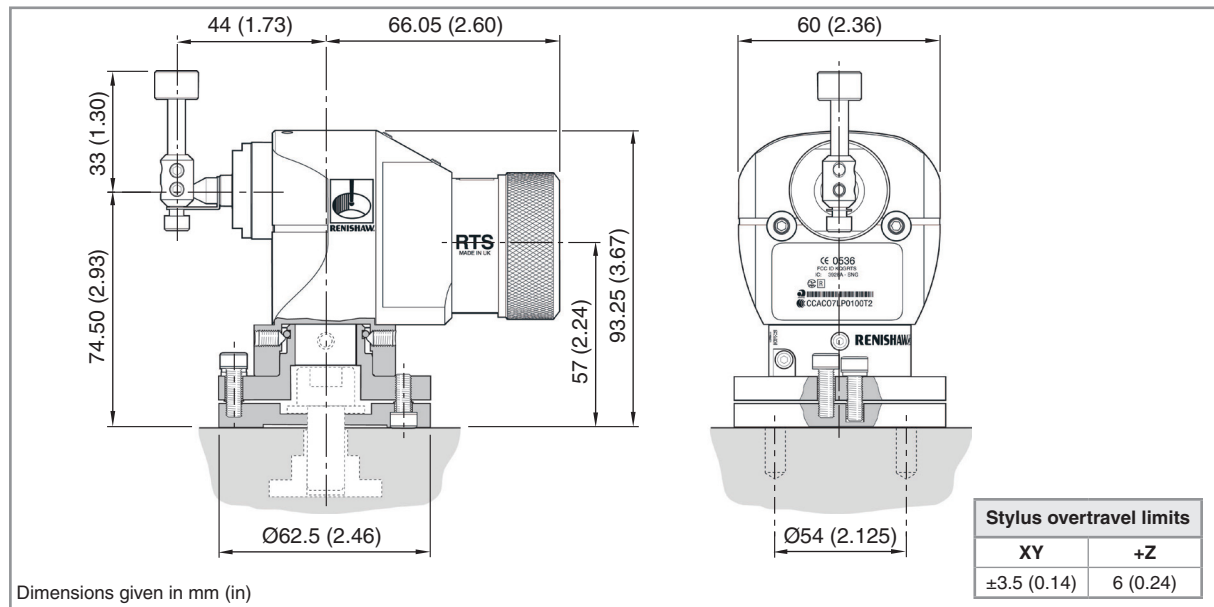
Note 1 Performance specification is tested at a standard velocity of 480 mm/min (18.9 in/min). Significantly higher velocity is possible depending on application requirements.

Note 2 Trigger force, which is critical in some applications, is the force exerted on the component by the stylus when the probe triggers. The maximum force applied will occur after the trigger point i.e. overtravel. The force value depends on related variables including measuring speed and machine deceleration.

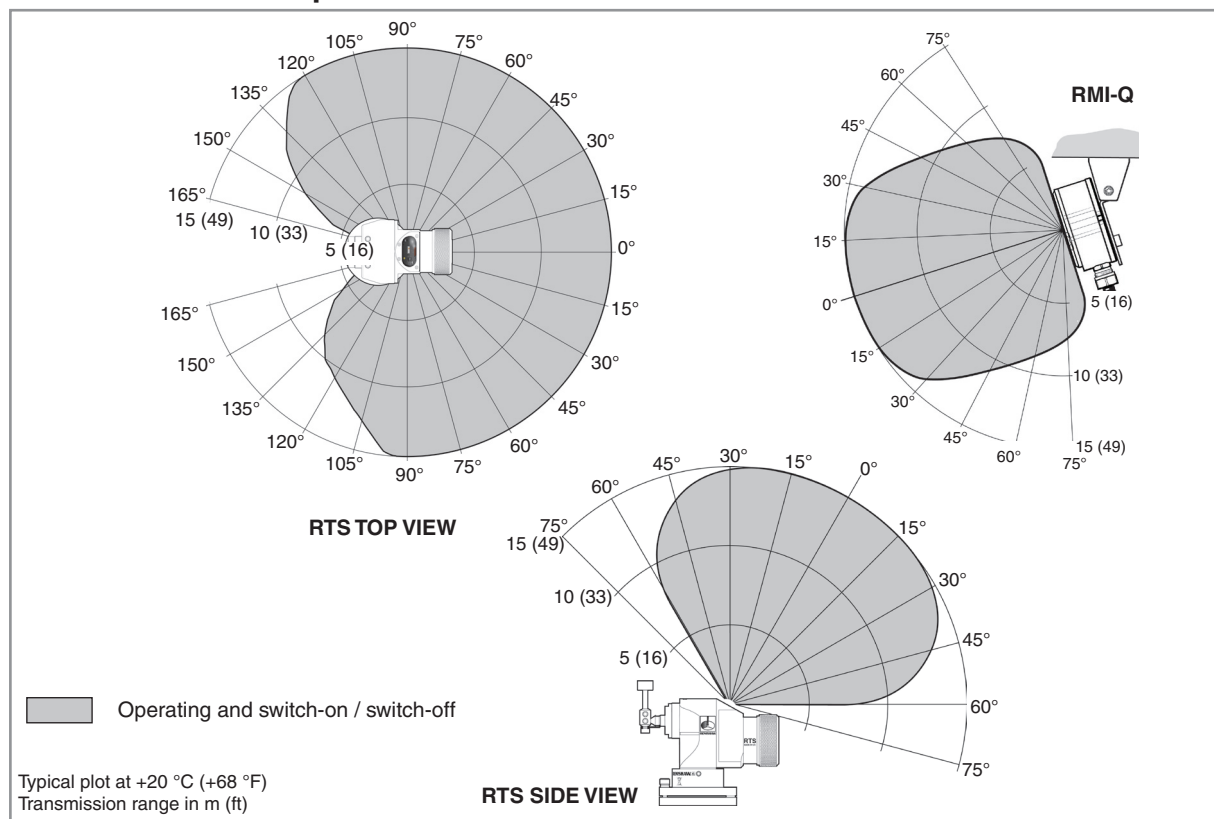
Note 3 These are the factory settings, manual adjustment is not possible.

For further information and the best possible application and performance support please contact Renishaw or visit www.renishaw.com/rts

Dimensions



Performance envelope



For worldwide contact details, please visit our main web site at www.renishaw.com/contact

